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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Kufer et al. Art Unit : 1646
Serial No. : 09/403,107 Examiner : Gerald R. Ewoldt
Filed : October 14, 1999
Title : NOVEL METHOD FOR THE PRODUCTION OF ANTIHUMAN ANTIGEN
RECEPTORS AND USES THEREOF

Commissioner for Patents
Washington, D.C. 20231

SUPPLEMENTAL PRELIMINARY AMENDMENT

Prior to examination, please amend the application as follows:

Amend claims 1, 3, 5, 6, 8, 10, 13, 14, 17, 18, 19, 22, 28, 31, 32, 34, 36, 50, 51, 52 as follows:

H1
1. A method for the production of an anti-human antigen receptor, the receptor being low or not immunogenic in humans, the method comprising the steps of selecting a combination of functionally rearranged human VH and human VL immunoglobulin chains wherein at least said VH chain is derived from essentially unprimed mature human B-lymphocytes and said VL chain is derived from a naturally occurring human B cell repertoire, said chains being expressed from a recombinant vector and using an in vitro display system for binding to a human antigen.

H2
3. The method according to claim 2 wherein said receptor is an Fv immunoglobulin fragment.

H3
5. The method according to claim 1 wherein said in vitro display system is a phage display system.

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